

Canon

imagePROGRAF®
iPF6100

iPF6100

GRAPHIC ARTS
LARGE-FORMAT PRINTING



Introducing the 24"-wide Canon imagePROGRAF® iPF6100 printer

Ultra-high-quality printing, faster and easier than you ever imagined!



Canon, a world-renowned leader in digital photography, ink-jet printing, and color imaging announces yet another breakthrough large-format printing solution. With the imagePROGRAF iPF6100 printer, brilliant color, sophisticated print-head technology, and high-speed output are brought together into a high-performance large-format printing system.

With features designed to help all levels of users achieve extraordinary results, the iPF6100 printer is ideal for photography, proofing, and professional graphic applications.

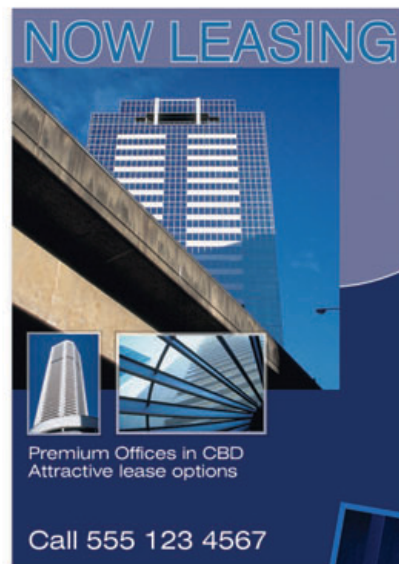


Photo credit: ©Parish Kohanim



Photo credit: ©Bruce Dorn

iPF6100

FEATURES



Canon has specifically engineered the iPF6100 printer to produce the colors, fine details, and subtle expressions required for even the most challenging large-format graphics.

A 12-COLOR INK SET WITH LUCIA™ INKS

- Wider, more dynamic color space
- Produces a broader range of colors more accurately
- Formulated to reduce graininess
- Minimizes bronzing
- Durable and scratch-resistant
- Optimizes print quality across a wide variety of media

ULTRA-HIGH-QUALITY IMAGING

- High-resolution output up to 2400 x 1200 dpi
- Precise 4pl droplet of ink



12 color inks for
ultra-high-quality imaging

CONSISTENT COLOR

The iPF6100 printer is equipped with a unique built-in calibration feature to help consistently achieve superior results.

HIGH-SPEED OUTPUT

- Two one-inch print-heads, with a total of 30,720 nozzles
- Canon's advanced L-COA Image Processor ensures faster output in every print mode.

SOFTWARE

- Digital Photo Front-Access
- Print Plug-in for DPP
- Print Plug-in for Adobe® Photoshop®
- PosterArtist 2007 (optional)



Two print-heads
ensure faster output



L-COA Image Processor

Built-in calibration, LUCIA inks, and Kyuanos color management— all in one printer

The new iPF6100 printer is equipped with the ability to recalibrate itself to the original optimal factory settings and apply any necessary adjustments across the printer's media types. This creates a more stable, predictable printing platform on which superior results can be consistently achieved.

Sophisticated color science is made simple by a sensor that scans and reads test patterns; makes calculations for color density, light, and media; and then automatically applies any needed adjustments across the print profiles for the media types. The profiles applied by the iPF6100 printer have been specifically optimized by Canon to address the unique requirements of printing large-format images. The result is reliable color reproduction across the media types, from machine to machine, print to print, day after day.

LUCIA INK, CANON'S MOST ADVANCED INK FORMULATION

Canon's LUCIA pigment ink offers excellent color fastness and stability with a remarkably wide color gamut.

- **Smooth color transitions and solid fills.** The iPF6100 printer's LUCIA ink is specially formulated to reduce graininess. Images printed with this ink will have a smoother, more continuous tone for a more "photographic" effect.
- **Durable prints.** A special polymer coating around each ink particle improves ink adhesion with media to increase durability and scratch resistance.

- **Looks great from every angle.** The polymer coating also reduces "bronzing" so that images printed by the iPF6100 printer will not have an unwanted sheen when viewed from different angles.

KYUANOS—MAINTAINING PRECISE COLOR IN ANY ENVIRONMENT

The iPF6100 printer achieves uniform high-quality color with Canon's development of *Kyuanos*, the next-generation color management system that delivers consistent and accurate color under different viewing conditions such as fluorescent lights, incandescent lights, or sunlight.

Kyuanos incorporates the advanced Ambient Light Adjustment function for select media,* which optimizes output for differences in lighting conditions for consistent color in accordance with different lighting environments. This function is to ensure optimal color reproduction in each finished print.

With the imagePROGRAF Lighting Check Chart, it's easy to gauge ambient lighting conditions without having to use special tools.



*For a list of up-to-date media types, please visit www.usa.canon.com/imageprograf.

CRISP CLEAN MONOCHROME OUTPUT

Black, Matte Black, Gray, and Photo Gray have been reformulated for exceptional monochrome photo-quality output. Plus, these new inks dramatically reduce bronzing while providing stronger ink adhesion to the print media resulting in better scratch-resistance. Based on the type of media being used, the iPF6100 printer automatically matches the correct black ink to achieve the best print results. By automatically switching between the two black inks, Canon has eliminated the waste that can occur if these inks must be switched manually.



Photo credit: ©Eddie Tapp

BUILT FOR PERFORMANCE AND PRODUCTIVITY

At the core the iPF6100 printer is Canon's innovative L-COA processor—an advanced system processor that optimizes output speed and print quality. L-COA intelligently manages print data and directs the high-precision, high-density print-heads to deposit ink with unprecedented speed. This unique processor ensures that complex graphics and color-rich photographic images are optimized for clarity, richness, and accuracy.

Canon's L-COA processor provides the basis for advanced and rapid image processing, then channels the output through dual one-inch print-heads, each with 2,560 nozzles per color for a total of 30,720 nozzles. More

nozzles means more ink is ejected with every pass of the print-head for high-speed output in every mode. Superfine 4pl ink droplets and resolutions up to 2400 x 1200 dpi produce the delicate color gradation and the high-definition expression required for photo-quality images, small fonts, and precise lines.

OPTIMIZING YOUR OPERATING TIME

The iPF6100 printer incorporates an array of utilities designed to maximize system run-time and enhance operator productivity, including:

- Roll media detection and management
- Ink-level detection system
- Non-firing nozzle detection and compensation systems
- Auto-skew correction

CANON WORKFLOW SOLUTIONS

An array of workflow solutions are available with the iPF6100 printer to expand its capabilities and simplify its use. These software packages provide the additional tools needed to address the unique requirements of large-format printing applications.

- Print Plug-in for Adobe Photoshop and Digital Photo Professional for enhanced image processing
- Canon Printer Driver 2007 to optimize workflow productivity
- Digital Photo Front-Access—Digital file display and application linkage software
- PosterArtist 2007 (optional) poster-creation software



Print Plug-in for Photoshop

iPF6100

Magnificent Professional Results

Every aspect of the iPF6100 printer has been engineered to seamlessly integrate the myriad of functions required to produce the ultra-high-quality images that professionals demand.

PORTRAITS AND PHOTOGRAPHY

Canon, a leader in digital photography, has included with the iPF6100 printer the essential tools and technologies needed to produce exceptional photo enlargements.

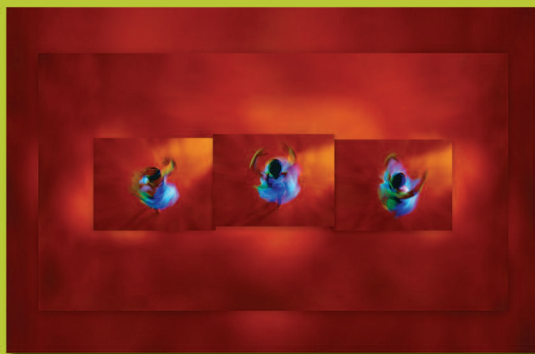


Photo credit: ©Parish Kohanim

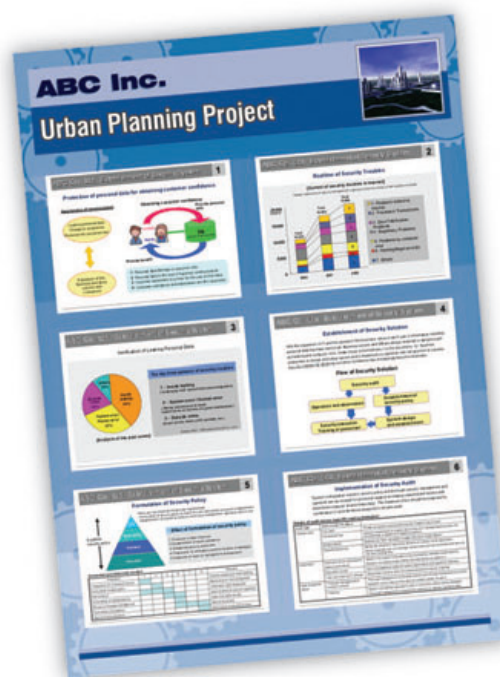
Digital Photo Front-Access has been developed by Canon as a utility to import images from a camera, memory card, USB, etc. and incorporate them into software applications such as PosterArtist and Adobe Photoshop. The Print Plug-in for Photoshop and Digital Photo Professional enable 16-bit image processing of images to dramatically improve gradations and image quality. The system's wide color gamut produces richer, deeper tones and more realistic images.

Canon's durable LUCIA pigment inks are formulated to further reduce graininess, minimize "bronzing," and resist scratching and fading. These features combined with the iPF6100 printer's high-resolution output and precise placement of a tiny 4pl droplet mean that museum-quality photo enlargements can be produced with absolute confidence.



PROOFING

With workflow functions like Free Layout (Windows)/Auto Layout (Mac) and advanced print technologies, the iPF6100 printer is one of the most efficient proofing devices available. The advanced calibration functions of this device are a distinct advantage when color consistency is required day after day. The wide color gamut enabled by the 12-color ink set means that a greater range of colors can be reproduced and the stability of Canon's LUCIA pigment inks increases the reliability of the proof, as the prints will exhibit little or no perceptible color shift. Canon's patented 30,720-nozzle, 2400 x 1200 dpi print-head technology delivers clear images, smooth transitions, and solid fills required for professional proofing applications.



POSTERS, BANNERS, DISPLAYS, AND MORE...

For professionals, capability means productivity and profit. The iPF6100 printer is equipped with an array of software applications and advanced printing technologies to expand the range of possibilities into the full spectrum of professional graphic applications. With PosterArtist* (optional), posters, signs, and banners can be easily designed, incorporating logos, digital photos, and other content, and then printed on a variety of media.

Durable LUCIA pigment inks and borderless printing up to 24" wide mean projects can be completed quickly, with minimal finishing work. A wide range of media—including a variety of papers, adhesive-backed materials, and backlit film make it possible to create a diverse range of large-format applications. High-speed throughput means deadlines can be met and full production runs can be produced on time.

iPF6100

SPECIFICATIONS



Print-Head

PF-03

Technology

FINE (Full-photolithography Ink-jet Nozzle Engineering)

Configuration

Two Print-Heads (Total 12 Colors)
6 Colors per Print-Head
Print-Head (A) Y/PC/C/PGY/GY/MBK
Print-Head (B) PM/M/BK/R/G/B

Number of Nozzles

2,560 per Color
(30,720 Total)

Droplet Size

4 Picoliter

Nozzle Pitch (Head Resolution)

1,200 dpi

Print-Head Swath

1.07 inch

Print Resolution (Max.)

2400 x 1200 dpi

Ink Type

LUCIA Ink (Pigment-based)

Ink Tank

PFI-101 (C, M, Y, PC, PM, R, G, B)
PFI-103 (BK, MBK, GY, PGY)

Colors

Cyan, Photo Cyan, Magenta, Photo Magenta, Yellow,
Black, Matte Black, Red, Green, Blue, Gray, Photo Gray

Ink Tank Capacity*

130ml per Color

Ink Supply Method

Tubing System

Nozzle Recovery System

Non-firing Nozzle Detection and Compensation

Print Controller

L-COA Controller

Printer Memory

384MB

Media Feed

Roll Feed

One Roll, Front Output

Top-Loading Manual Feed

One Sheet, Front Output

Front-Loading Manual Feed

One Sheet, Front Output

Media Width

8"-24" (Cut Sheet and Roll)

Minimum Media Length

Top-Loading Manual Feed

11.0" (279mm)

Front-Loading Manual Feed

13.8" (350mm)

Roll Feed

8" (203mm)

Maximum Print Length

Manual Feed (Top)

62" (1.6m)

Manual Feed (Front)

36" (914mm)

Roll Feed

59' (18m)**

Borderless Printing Width (Roll Media Only)

10" (254mm), B4 (257mm), A3+ (329mm), 14" (356mm),
16" (407mm), A2 (420mm), A2+/17" (432mm), B2 (515mm),
A1 (594mm), 24" (610mm)

Media Cutter

Built-in Durable Rotary Blade

Printer Stand

Standard

Media Thickness

Top-Loading Manual Feed

0.08mm-0.8mm (3.2-19.6mil)

Front-Loading Manual Feed

0.8mm-1.5mm (19.6-59.0mil)

Roll Feed

0.08mm-0.8mm (3.1-31.4mil)

Media Core Sizes

2" or 3" Core (with Supplied Adapter)

Printable Margins

Manual Feed (Top/Front)

Leading and Left/Right Edges: 0.12" (3mm)
Trailing Edge: 0.90" (Front = 23mm/Top = 3mm
(except for Art Paper))

Roll Feed

All Sides: 0.12" (3mm) or 0" for Borderless

Maximum Media Roll Outer Diameter

5.9" (150mm)

Bundled Software

Printing Software

Printer Driver 2007, Print Plug-in for Photoshop,**
Print Plug-in for DPP,[†] Printer Driver Extra Kit[‡]
(Free Layout [■], imageRUNNER[®] Linking Function)

Applications

Digital Photo Front-Access**

Utilities

GARO Status Monitor (Windows)/Print Monitor (MAC),
Media Configuration Tool, Remote UI

Printer Language

GARO (Canon Proprietary)

Operating System*

Windows (2000, XP, Windows Vista™ 32/64 bit)
MAC (OS9, OS10)

Interface

Standard

USB 2.0

10/100Base-T/TX

Optional

IEEE1394 (FireWire[®])

Acoustic Noise

Operation

49dB or Less

Power Supply

AC 100-120V (50-60Hz)

Power Consumption

Maximum

100W or Less

Standby

6W or Less

Power Off

Less than 1W (compliant with executive order)

Certifications

UL, FCC Class B, ENERGY STAR[®]

Operational Environment

Temperature

59-86°F (15-30°C)

Relative Humidity

10-80% (No Condensation)

Dimensions (H x W x D) with stand

39.1" x 46.3" x 35.2"

Weight

Approx. 145 lb. with Stand (Excludes Ink Tank
and Print Heads)

User-Replaceable Items

Print-Head (PF-03)

Maintenance Cartridge (MC-16)

Options

IEEE1394 Expansion Board (EB-05)

Roll Holder Set (RH2-24)

* The starter ink tanks initially packaged with the printer are not the same capacity as the replacement ink tanks specified here.

** The maximum printable length varies depending on the application, OS, and RIP used. The maximum printable length from Printer Driver 2007 is 50 feet.

*** For Adobe[®] Photoshop 6, 7, CS, CS2, running Windows[®] 2000/XP or Macintosh[®] OS 9.1 or OS X 10.2/10.3/10.4

† For Digital Photo Professional version 2.1 or later running on Windows 2000/XP or Macintosh OS X 10.2/10.3/10.4

‡ Windows 2000/XP/2003 Server

■ Not compatible for Windows Vista 64 bit

• For imagePROGRAF Printer Driver 2007. For printing from PostScript[®] applications such as Adobe Illustrator[®] or QuarkXPress[®], please use a PostScript compatible RIP package. For a list of Canon recommended RIP packages, please consult with Canon Alliance and Industry Market program list of RIP vendors.

Note: Printer output samples simulated.

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PAPER IN THE U.S.A.

LUCIA
ink



FINE
Full-photolithography Inkjet
Nozzle Engineering

